



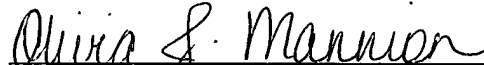
PATENT
Attorney Docket No. INL-059

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT(S): Shin et al.
SERIAL NO.: 10/625,984 GROUP NO.: Not yet assigned.
FILING DATE: July 24, 2003 EXAMINER: Not yet assigned.
TITLE: AQUEOUS SOLUTIONS FOR REDUCING THE RATE OF OXYGEN
LOSS, AND METHODS THEREOF

CERTIFICATE OF FIRST CLASS MAILING UNDER 37 C.F.R. 1.8

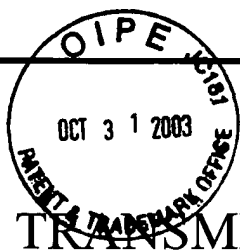
I hereby certify that this correspondence, and any document(s) referred to as enclosed herein, is/are being deposited with the United States Postal Service as first class mail, postage prepaid, in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on this 28th day of October, 2003.


Olivia J. Mannion

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir;

Submitted herewith are: Transmittal Form (1 page); Information Disclosure Statement (2 pages); Form PTO-1449 (2 pages); References Labeled A1 to A7, B1 and C1 to C14; and a return receipt postcard.



TRANSMITTAL FORM

Application Serial Number	10/625,984
Filing Date	July 24, 2003
First Named Inventor	Shin
Group Art Unit	Not yet assignend
Examiner Name	Not yet assigned
Attorney Docket No.	INL-059
Patent No.	Not applicable
Issue Date	Not applicable

ENCLOSURES (check all that apply)

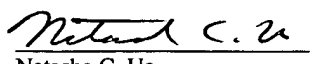
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Check Attached <input type="checkbox"/> Copy of Fee Transmittal Form <input type="checkbox"/> Amendment/Response <input type="checkbox"/> Preliminary <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Letter to Official Draftsperson including Drawings [Total Sheets ____] <input type="checkbox"/> Petition for Extension of Time <input checked="" type="checkbox"/> Information Disclosure Statement <input checked="" type="checkbox"/> Form PTO-1449 <input checked="" type="checkbox"/> Copies of IDS Citations <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Sequence Listing submission <input type="checkbox"/> Paper Copy/CD <input type="checkbox"/> Computer Readable Copy <input type="checkbox"/> Statement verifying identity of above	<input type="checkbox"/> Copy of Notice to File Missing Parts of Application <input type="checkbox"/> Formal Drawing(s) <input type="checkbox"/> Request For Continued Examination (RCE) Transmittal <input type="checkbox"/> Power of Attorney (Revocation of Prior Powers) <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Executed Declaration and Power of Attorney for Utility or Design Patent Application <input type="checkbox"/> Small Entity Statement <input type="checkbox"/> CD(s) for large table or computer program <input type="checkbox"/> Amendment After Allowance <input type="checkbox"/> Request for Certificate of Correction <input type="checkbox"/> Certificate of Correction (in duplicate)	<input type="checkbox"/> Notice of Appeal to Board of Patent Appeals and Interferences <input type="checkbox"/> Appeal Brief (in triplicate) <input type="checkbox"/> Status Inquiry <input checked="" type="checkbox"/> Return Receipt Postcard <input checked="" type="checkbox"/> Certificate of First Class Mailing under 37 C.F.R. 1.8 <input type="checkbox"/> Certificate of Facsimile Transmission under 37 C.F.R. 1.8 <input type="checkbox"/> Additional Enclosure(s) (please identify below)
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CORRESPONDENCE ADDRESS

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Respectfully submitted,


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Date: October 28, 2003
Reg. No. 44,381
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Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

In accordance with the provisions of 37 C.F.R. 1.97 and 1.98, Applicants hereby make of record the patents and publications listed on the accompanying Form PTO-1449, and other information contained herein, for consideration by the Examiner in connection with the examination of the above-identified patent application. Copies of the patents and publications are enclosed.

REMARKS

In accordance with the provisions of 37 C.F.R. 1.97, this statement is being filed (CHECK ONE):

- ☒ (1) within three (3) months of the **filing date** of a national application other than a continued prosecution application under 37 C.F.R. 1.53(d), or within three (3) months of the **date of entry of the national stage** as set forth in 37 C.F.R. 1.491 in an international application, or before the mailing of the **first Office action** on the merits, or before the mailing of a **first Office action** after the filing of a request for continued examination under 37 C.F.R. 1.114; or
- ☐ (2) after the period defined in (1) but before the mailing date of a **final action** or a **notice of allowance** under 37 C.F.R. 1.311, and
- ☐ the requisite Statement is below, **OR**
- ☐ the requisite fee under 37 C.F.R. 1.17(p), namely **\$180.00**, is included herein, or

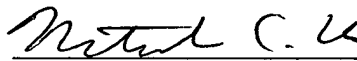
- ☐ (3) after the mailing date of a **final action** or **notice of allowance** but before the payment of the **issue fee**, **AND**
- ☐ the requisite Statement is below, **AND**
- ☐ the requisite petition fee under 37 C.F.R. 1.17(p), namely **\$180.00** is included herein.

It is respectfully requested that each of the patents and publications listed on the attached Form PTO-1449, and other information contained herein, be made of record in this application.

Applicants wish to inform the Examiner about the following co-pending patent applications:

- 1) U.S. Serial No. 09/872,240, filed on 05/31/2001, by Pamidi et al.; and
- 2) U.S. Serial No. 09/872,247, filed on 05/31/2001, by Mansouri et al.

Respectfully submitted,



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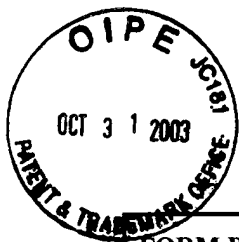
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Fax No.: (617) 248-7100

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FORM PTO - 1449 INFORMATION DISCLOSURE STATEMENT				ATTY DOCKET NO.: INL-059 APPLICANTS: Shin et al. SERIAL NO.: 10/625,984 FILING DATE: July 24, 2003 GROUP: Not yet assigned					
U.S. PATENT DOCUMENTS									
EXAM. INIT.	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE			
	A1	4,734,184	10/26/1993	Hurley et al.					
	A2	5,256,571	10/26/1993	Hurley et al.					
	A3	5,705,482	01/06/1998	Christensen et al.					
	A4	6,143,545	11/07/2000	Clausen et al.					
	A5	6,200,947	03/13/2001	Takashima et al.					
	A6	6,482,416	11/19/2002	Munn et al.					
	A7	2003/0000833	01/02/2003	Mansouri et al.					
FOREIGN PATENT DOCUMENTS									
EXAM. INIT.	DOCUMENT NUMBER	DATE	COUNTRY CODE	CLASS	SUB CLASS	FILING DATE	ABSTRACT ONLY	ENGLISH LANG (Y/N)	
	B1	649,396	02/28/1979	RU			NO	NO	
OTHER ART, JOURNAL ARTICLES, ETC.									
EXAM. INIT.	OTHER DOCUMENTS: (Including Author, Title, Date, Relevant Pages, Place of Publication)								
	C1	Dehlawi et al.: Choline Derivatives and Sodium Fluoride Protect Acetylcholinesterase against Irreversible Inhibition and Aging by DFP and Paraoxon, <i>Journal of Biochemical Toxicology</i> , Vol. 9, No. 5, pp. 261-268 (1994)							
	C2	Ghoshal et al.: Prevention by Free Radical Scavenger AD ₅ of Prooxidant Effects of Choline Deficiency, <i>Free Radical Biology & Medicine</i> , Vol. 8, pp. 3-7 (1990)							
	C3	Grattagliano et al.: Starvation Impairs Antioxidant Defense in Fatty Livers of Rats Fed A Choline-Deficient Diet ¹ , <i>The Journal of Nutrition</i> , Vol. 130, No. 9, pp. 2131-2136							
	C4	Hiramatsu et al.: Free radicals, lipid peroxidation, SOD activity, neurotransmitters and choline acetyltransferase activity in the aged rat brain, <i>Free Radicals and Aging</i> , pp. 213-218							
EXAMINER				DATE CONSIDERED					



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INFORMATION DISCLOSURE STATEMENT		APPLICANTS: Shin et al.
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OTHER ART, JOURNAL ARTICLES, ETC.		
EXAM. INIT.	OTHER DOCUMENTS: (Including Author, Title, Date, Relevant Pages, Place of Publication)	
	C5	Huntsman et al.: Nucleus-Specific Differences in GABA _A -Receptor-Mediated Inhibition Are Enhanced During Thalamic Development, The American Physiological Society 2000
	C6	Jürgens et al.: Delay of copper-catalyzed oxidation of low density lipoprotein by in vitro enrichment with choline or ethanolamine plasmalogens, <i>Chemistry and Physics of Lipids</i> , Vol. 77, No. 1, pp. 25-31 (1995)
	C7	Lippman: The Prolongation of Life: A Comparison of Antioxidants and Geroprotectors Versus Superoxide in Human Mitochondria, <i>Journal of Gerontology</i> , Vol. 36, No. 5, pp. 550-557 (1981)
	C8	Meyer et al.: Effects of Peroxidation and Aging on Rat Neocortical ACh-Release and Protein Kinase C, <i>Neurobiology of Aging</i> , Vol. 15, No. 1, pp. 63-67 (1994)
	C9	Saito et al.: Antioxidant Activity and Active Sites of Phospholipids and Antioxidants, <i>Journal of the American Oil Chemists' Society</i> , Vol. 74, No. 12, pp. 1531-1536 (1997)
	C10	Williams et al.: Cerebral Microvessel Phospholipase A ₂ Activity in Senescent Mouse, <i>Neurochemical Research</i> , Vol. 19, No. 3, pp. 317-320 (1994)
	C11	Wilson et al.: Vascular Damage and Lipid Peroxidation in Choline-deficient Rats, <i>Experimental and Molecular Pathology</i> , Vol. 18, No. 3, June 1973
	C12	Wu et al.: Alzheimer's Amyloid-Beta Peptide Inhibits Sodium/Calcium Exchange Measured In Rat and Human Brain Plasma Membrane Vesicles, <i>Neuroscience</i> , Vol. 80, No. 3, pp. 675-684 (1997)
	C13	Kruk: The use of biologically active substances in the freezing of boar semen, <i>Zootekhniya</i> , Vol. 10, pp. 28-30 (1996) (English abstract attached.)
	C14	Storozhok et al.: Synergic Effects in the Combined Antioxidant Action of Phosphatidyl Choline with Native and Artificial Quinones, <i>VOPR. MED. KHIM</i> , Vol. 40, Issue 1 pp. 10-14 (1994)
EXAMINER		DATE CONSIDERED